

**TITLE OF INVENTION**

**THICK-FILM DIELECTRIC AND CONDUCTIVE COMPOSITIONS**

**ABSTRACT**

Dielectric powder and thick-film paste compositions are formed  
5 having high dielectric constants, low loss tangents, and other desirable  
electrical and physical properties. Conductive powder and paste  
compositions are formed having desirable electrical and physical  
properties. The dielectric powder and thick-film paste compositions can  
be used in combination with the conductive powder and paste  
10 compositions to form capacitors and other fired-on-foil passive circuit  
components.